

Mechanical Valves: 4-Way Spool Valves

52041 1000

Directair 2 Series (1/8" NPT) & Directair 4 Series (1/4" NPT)

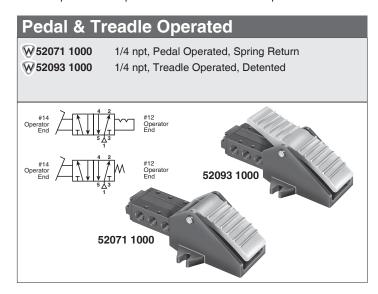
Vacuum to 150 PSI

1/8" - 0.20 C, 1/4" - 0.83 C

Spring Return

Normal Position – Pressure at Inlet port 1 is connected to Outlet port 2. Outlet port 4 is connected to Exhaust port 5.

Actuated Position – Pressure at Inlet port 1 is connected to Outlet port 4. Outlet port 2 is connected to Exhaust port 3.



Treadle

Toe pressed last – Pressure at Inlet port 1 is connected to Outlet port 2. Outlet port 4 is connected to Exhaust port 5.

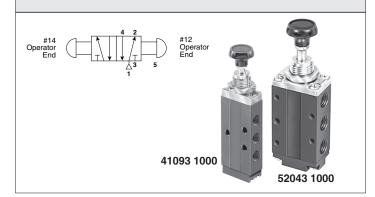
Heel pressed last – Pressure at Inlet port 1 is connected to Outlet port 4. Outlet port 2 is connected to Exhaust port 3.



This valve shall not be used to actuate a punch press. Do not use this valve on punch presses or press brakes.

Button Operated

¥ 41093 1000W 52043 10001/8 npt, Button Operated, Manual Return1/4 npt, Button Operated, Manual Return



Manual Return

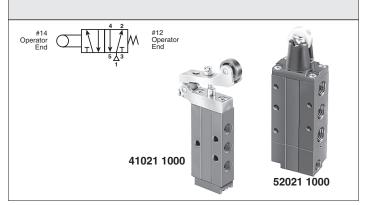
Operated pulled last – Pressure at Inlet port 1 is connected to Outlet port 2. Outlet port 4 is connected to Exhaust port 5.

Operated pushed last – Pressure at Inlet port 1 is connected to Outlet port 4. Outlet port 2 is connected to Exhaust port 3.



₩ 41021 1000 1/8 npt, Roller operated, Spring Return

W 52021 1000 1/4 npt, Delrin Roller operated, Spring Return



Roller

Normal Position – Pressure at Inlet port 1 is connected to Outlet port 2. Outlet port 4 is connected to Exhaust port 5.

Actuated Position – Pressure at Inlet port 1 is connected to Outlet port 4. Outlet port 2 is connected to Exhaust port 3.





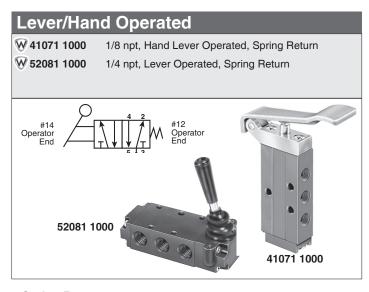


Mechanical Valves: 4-Way Spool Valves

Directair 2 Series (1/8" NPT) & Directair 4 Series (1/4" NPT)

Vacuum to 150 PSI

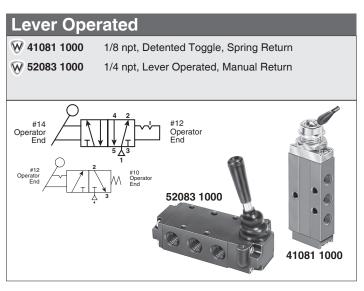
1/4" - 0.83 C_v 1/8" - 0.20 C



Spring Return

Normal Position - Pressure at Inlet port 1 is connected to Outlet port 2. Outlet port 4 is connected to Exhaust port 5.

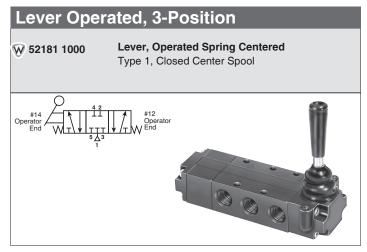
Actuated Position - Pressure at Inlet port 1 is connected to Outlet port 4. Outlet port 2 is connected to Exhaust port 3.



Manual Return

Operated pushed last (toward body) - Pressure at Inlet port 1 is connected to Outlet port 2. Outlet port 4 is connected to Exhaust port 5.

Operated pulled last (away from body) - Pressure at Inlet port 1 is connected to Outlet port 4. Outlet port 2 is connected to Exhaust port 3.



Spring Centered, 3-Position

Lever Pulled (away from body) - Pressure at Inlet port 1 is connected to Outlet port 4. Outlet port 2 is connected to Exhaust port 3.

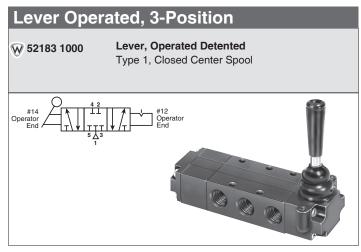
Lever Pushed (toward body) - Pressure at Inlet port 1 is connected to Outlet port 2. Outlet port 4 is connected to Exhaust port 5.

Centered Position - Type 1: All ports blocked.

Other Center Positions are available from stock

Type 2: Pressure center

Type 3: Exhaust center



Detented, 3-Position

Lever Pulled (away from body) - Pressure at Inlet port 1 is connected to Outlet port 4. Outlet port 2 is connected to Exhaust port 3.

Lever Pushed (toward body) - Pressure at Inlet port 1 is connected to Outlet port 2. Outlet port 4 is connected to Exhaust port 5.

Centered Position - Type 1: All ports blocked.

Other Center Positions are available from stock

Type 2: Pressure center

Type 3: Exhaust center

Note: For conversion factors see page 54

